

Notice of Allowability

Application No.

10/749,103

Examiner

David A. Zarneke

Applicant(s)

REIF ET AL.

Art Unit

2891

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the election filed 4/2/07.
2. ☒ The allowed claim(s) is/are 29-35,40-49,53-56,58,60-63,66-80,84,86,87 and 89.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date See Continuation Sheet
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date:
11/2/05;10/27/05;5/25/05;3/31/05;10/5/04;9/30/04;7/22/04;6/29/04;.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher S. Daly on August 2, 2007.

The application has been amended as follows:

- 1) In claim 29, line 6, after "disposed thereon", insert --wherein disposing a laminate layer comprises providing a layer corresponding to a release layer and providing a layer corresponding to a fusion layer--.
- 2) In claim 41, line 3, after "thereon", insert --further--.
- 3) In claim 41, line 4, delete "laminate".
- 4) In claim 41, line 3 after layer, replace "comprised of a plurality of layers" with --corresponding to a metal adhesion/diffusion barrier layer."
- 5) In claim 42, lines 1 and 2, delete "comprised of a plurality of layers".
- 6) In claim 46, lines 1 and 2, delete "comprised of a plurality of layers".
- 7) In claim 66, line 5, after "thereon", insert --wherein said laminate layer includes: a release layer, and a fusion layer.
- 8) Rewrite claim 73 to read:

--The structure of claim 89 wherein:

said release layer corresponds to a first layer of said laminate layer;

said metal adhesion/diffusion barrier layer corresponds to a second layer of the laminate layer; and

said fusion layer corresponds to a third layer of the laminate layer.--

9) Rewrite claim 77 to read:

--77. The structure of claim 89 wherein:

said metal adhesion/diffusion barrier layer corresponds to a first layer of the laminate layer;

said release layer corresponds to a second layer of said laminate layer; and

said fusion layer corresponds to a third layer of the laminate layer.—

10) Add new claim 89, which reads:

--89. The structure of claim 66 wherein said laminate layer further comprises a metal adhesion/diffusion barrier layer.--

The following is an examiner's statement of reasons for allowance: Prior art could not be located that taught a method of providing a multi-layer semiconductor structure (claim 29) and a semiconductor structure (claim 66) comprising a semiconductor structure and a handle member, and therebetween, a laminate layer comprising a layer corresponding to a release layer and providing a layer corresponding to a fusion layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David A. Zarneke whose telephone number is (571)-272-1937. The examiner can normally be reached on M-Th 7:30 AM-6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Baumeister can be reached on (571)-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David A. Zarneke/
Primary Examiner
August 3, 2007